1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: 02/26/2003
TIME: 14:57:02

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

```
 3  <110>  APPLICANT: WANG, QI ET AL.
 5  <120>  TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS
 7  <130>  FILE REFERENCE: MONS:016US
 9  <140>  CURRENT APPLICATION NUMBER: 09/804,733C
10  <141>  CURRENT FILING DATE: 2001-03-13
11  <150>  PRIOR APPLICATION NUMBER: PCT/US01/07957
13  <151>  PRIOR FILING DATE: 2001-03-13
15  <160>  NUMBER OF SEQ ID NOS: 29
17  <170>  SOFTWARE: PatentIn Ver. 2.1
19  <210>  SEQ ID NO: 1
20  <211>  LENGTH: 5
21  <212>  TYPE: PRT
22  <213>  ORGANISM: Euthynnus pelamis
24  <400>  SEQUENCE: 1
25  Leu Lys Pro Asn Met
26    1                 5
29  <210>  SEQ ID NO: 2
30  <211>  LENGTH: 4
31  <212>  TYPE: PRT
32  <213>  ORGANISM: Euthynnus pelamis
34  <400>  SEQUENCE: 2
35  Lys Pro Asn Met
36    1
39  <210>  SEQ ID NO: 3
40  <211>  LENGTH: 4
41  <212>  TYPE: PRT
42  <213>  ORGANISM: Euthynnus pelamis
44  <400>  SEQUENCE: 3
45  Val Val Tyr Pro
46    1
49  <210>  SEQ ID NO: 4
50  <211>  LENGTH: 15
51  <212>  TYPE: DNA
52  <213>  ORGANISM: Artificial Sequence
54  <220>  FEATURE:
55  <223>  OTHER INFORMATION: Description of Artificial Sequence: Synthetic
56         Primer
58  <220>  FEATURE:
59  <221>  NAME/KEY: modified_base
60  <222>  LOCATION: (3)..(9)
61  <223>  OTHER INFORMATION: N = A, C, G or T/U
63  <400>  SEQUENCE: 4
64  ctnaarccna ayatg                                                  15
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C--> 10 <141> CURRENT FILING DATE: 2001-03-13

W--> 64 ctnaarccna ayatg

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 12-26-2003
TIME: 14:37:13

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

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67 <210> SEQ ID NO: 5
68 <211> LENGTH: 60
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
74       Primer
76 <220> FEATURE:
77 <221> NAME/KEY: modified_base
78 <222> LOCATION: (3)..(54)
79 <223> OTHER INFORMATION: N = A, C, G, or T/U
81 <400> SEQUENCE: 5
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W--> 82 ctnaarccna ayatgctnaa rccnaayatg ctnaarccna ayatgctnaa rccnaayatg 60
```
83 <210> SEQ ID NO: 6
86 <211> LENGTH: 60
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92       Primer
94 <220> FEATURE:
95 <221> NAME/KEY: modified_base
96 <222> LOCATION: (7)..(52) (53)
97 <223> OTHER INFORMATION: N = A, C, G or T/U
99 <400> SEQUENCE: 6
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W--> 100 catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60
```
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 25
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110       Primer
111 <220> FEATURE:
113 <221> NAME/KEY: modified_base
114 <222> LOCATION: (12)..(18)
115 <223> OTHER INFORMATION: N = A, C, G or T/U
117 <400> SEQUENCE: 7
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W--> 118 aaagaattcc tnaarccnaa yatgc   25
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121 <210> SEQ ID NO: 8
122 <211> LENGTH: 27
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
128       Primer
130 <220> FEATURE:
131 <221> NAME/KEY: modified_base
132 <222> LOCATION: (18)..(24)
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: ... .
TIME: 14:57:12

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

133 <223> OTHER INFORMATION: N = A, C, G or T/U
135 <4X> SEQUENCE: 8

W--> 136 aaagcggccg ccatrttngg yttnagc 27

139 <.1> SEQ ID NO: 9
140 <111> LENGTH: 20
141 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
146   Primer
148 <400> SEQUENCE: 9
149 taatacgart cactataggg 20
151 <210> SEQ ID NO: 10
153 <211> LENGTH: 19
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159   Primer
161 <400> SEQUENCE: 10
162 cgatcaataa cgagtcgcc 19
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 48
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172   Primer
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (3)..(48)
177 <223> OTHER INFORMATION: N = A, C, G or T/U
179 <400> SEQUENCE: 11

W--> 180 gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn 48

183 <210> SEQ ID NO: 12
184 <211> LENGTH: 48
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190   Primer
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (1)..(46)
195 <223> OTHER INFORMATION: N = A, C, G or T/U
197 <400> SEQUENCE: 12

W--> 198 nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac 48

201 <210> SEQ ID NO: 13
202 <211> LENGTH: 33

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: _____
TIME: 14:__:_

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

```
203 <211> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
208       Primer
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (12)..(33)
213 <223> OTHER INFORMATION: N = A, C, G or T/U
215 <400> SEQUENCE: 13
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W--> 216 aaaggatccg tngtntaycc ngtngtntay ccn   33
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218 <210> SEQ ID NO: 14
220 <211> LENGTH: 33
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226       Primer
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (10)..(31)
231 <223> OTHER INFORMATION: N = A, C, G or T/U
233 <400> SEQUENCE: 14
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W--> 234 cccaagcttn ggrtanacna cnggrtanac nac   33
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237 <210> SEQ ID NO: 15
238 <211> LENGTH: 45
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
244       Primer
246 <220> FEATURE:
247 <221> NAME/KEY: modified_base
248 <222> LOCATION: (3)..(45)
249 <223> OTHER INFORMATION: N = A, C, G or T/U
251 <400> SEQUENCE: 15
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W--> 252 gtnccnccng tnccnccngt nccnccngtn ccnccngtnc cnccn   45
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255 <210> SEQ ID NO: 16
256 <211> LENGTH: 45
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262       Primer
264 <220> FEATURE:
265 <221> NAME/KEY: modified_base
266 <222> LOCATION: (1)..(43)
267 <223> OTHER INFORMATION: N = A, C, G or T/U
269 <400> SEQUENCE: 16
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: ....
TIME: 14:........

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

W--> 270 nggnggnacn ggnggnacng gnggnacngg nggnacnggn ggnac 45

273 <210> SEQ ID NO: 17
274 <211> LENGTH: 36
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
280   Primer
281 <220> FEATURE:
282 <221> NAME/KEY: modified_base
284 <222> LOCATION: (12)..(36)
285 <223> OTHER INFORMATION: N = A, C, G or T/U
287 <400> SEQUENCE: 17

W--> 288 aaaggatccg tnccnccngt nccnccngtn ccnccn 36

191 <210> SEQ ID NO: 18
192 <211> LENGTH: 36
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
198   Primer
300 <220> FEATURE:
301 <221> NAME/KEY: modified_base
302 <222> LOCATION: (10)..(34)
303 <223> OTHER INFORMATION: N = A, C, G or T/U
305 <400> SEQUENCE: 18

W--> 306 aataagcttn ggnggnacng gnggnacngg nggnac 36

309 <210> SEQ ID NO: 19
310 <211> LENGTH: 8
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence:m Synthetic
316   Peptide
318 <400> SEQUENCE: 19
319 Val Pro Pro Leu Lys Pro Asn Met
320   5
323 <210> SEQ ID NO: 20
324 <211> LENGTH: 48
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330   Primer
332 <220> FEATURE:
333 <221> NAME/KEY: modified_base
334 <222> LOCATION: (8)..(42)
335 <223> OTHER INFORMATION: N = A, C, G or T/U
337 <400> SEQUENCE: 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/804,733C

DATE: ....
TIME: 14:5...........

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:4; N Pos. 3,9
Seq#:5; N Pos. 3,9,19,24,33,39,48,54
Seq#:6; N Pos. 7,13,22,28,37,43,52,58
Seq#:7; N Pos. 12,18
Seq#:8; N Pos. 18,24
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46
Seq#:13; N Pos. 12,15,21,24,27,33
Seq#:14; N Pos. 10,16,19,22,28,31
Seq#:15; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34
Seq#:20; N Pos. 3,6,9,12,18,27,30,33,36,42
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46
Seq#:22; N Pos. 13,16,19,22,28,37,40,43,46,52
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,43,49,52,55,58,64,67,70
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
```

2/26/03